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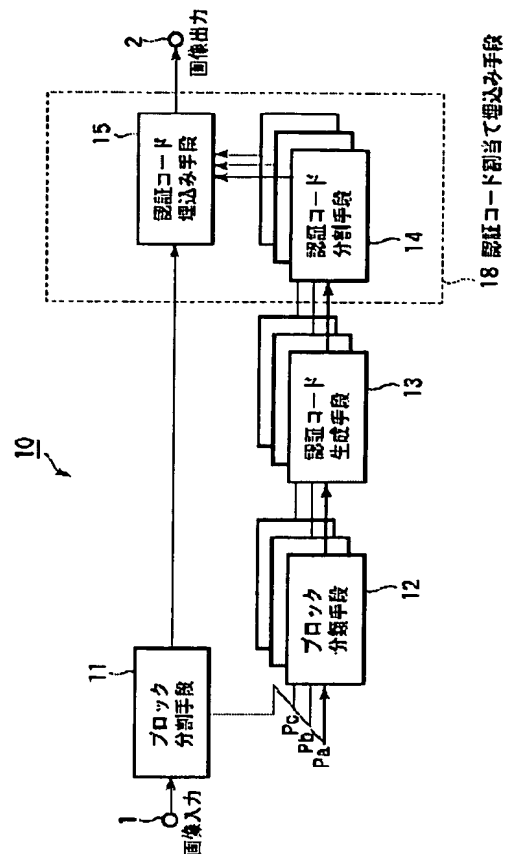
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APPLICANT : OKI ELECTRIC IND CO LTD;

INVENTOR : IKEGAMI KATSUMI;

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TITLE : ELECTRONIC WATERMARK
EMBEDDING DEVICE, FORGERY
DETECTOR AND RECORDING
MEDIUM



ABSTRACT : PROBLEM TO BE SOLVED: To make influence to image quality small and to simultaneously enhance fabrication detection accuracy in a system for embedding electronic watermark which divides an image into blocks and embeds an authentication code and for detecting forgery.

SOLUTION: In an embedding side (10), the blocks are classified into a plurality of sets by a plurality of respective classification patterns (12), an authentication code is generated for each of the sets formed by the respective classification patterns (13), and the authentication code is allocated to a block belonging to each set to be embedded (18). In a detecting side (20), the authentication code embedded in the block is extracted (24), the existence/absence of forgery within each set is discriminated by using the extracted authentication code (26), and forgery within each block is detected by combining the results (27).

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